

## CLAIMS:

1. A telescope having a built-in printer for printing a graphic image corresponding to an optical image received optically by the telescope.
- 5 2. The telescope of claim 1, including an image sensor for sensing the optical image and converting it to image data, and a print engine controller for receiving the image data and controlling a printhead to print the graphic data based on the image data.
- 10 3. The telescope of claim 2, including:  
a micro-control circuit operatively connected to the print engine controller to control a motor driver for print media transportation; and  
a motor driver for operating a guillotine motor to sever a printed image from a roller of print media.
- 15 4. The telescope of claim 2, including image memory associated with the print engine controller.
5. The telescope of claim 1, further including image enhancement circuitry for enhancing the image data prior to printing.
- 20 6. The telescope of claim 2, wherein the printhead is a pagewidth printhead.
7. The telescope of claim 2 wherein the printhead is an inkjet printhead.
- 25 8. The telescope of claim 1, wherein the printer includes a print engine assembly comprising first and second sub-assemblies, the first sub-assembly incorporating an ink source and print media, and the second sub-assembly incorporating a printhead.
- 30 9. The telescope of claim 2, including a longitudinal body through which passes at least some of the optical path of light entering the telescope, and a slot extending along the body through which the graphic image is, in use, dispensed.
10. The telescope of claim 9, wherein the printer includes a source of print media, configured such that the print media moves in a print path that is generally orbital about an axis of the body of the printer.